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Reviewer: Anne Corrigan

Timestamp: [year=2008; month=1; day=28; hr=10; min=8; sec=36; ms=151;]

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Application No: 10584831

Version No: 1.0

Input Set:

Output Set:

Started: 2008-01-25 16:31:42.958

Finished: 2008-01-25 16:31:48.599

Elapsed: 0 hr(s) 0 min(s) 5 sec(s) 641 ms

Total Warnings: 384

Total Errors: 0

No. of SeqIDs Defined: 384

Actual SeqID Count: 384

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2008-01-25 16:31:42.958
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Total Warnings: 384
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Error code	Error Description
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W 402	Undefined organism found in <213> in SEQ ID (382)
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SEQUENCE LISTING

<110> Tymianski, Michael
Garman, Jonathan David

<120> Method of Reducing Injury to Mammalian Cells

<130> 026373-000300US

<140> 10584831

<141> 2008-01-25

<150> US 60/532,169

<151> 2003-12-23

<160> 384

<170> PatentIn version 3.1

<210> 1

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<220>

<221> MISC_FEATURE

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<400> 1

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<210> 2

<211> 6

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<400> 2

Glu Trp Lys Phe Ala Arg

1 5

<210> 3

<211> 93

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<400> 3

Leu Arg Lys Glu Pro Glu Ile Ile Thr Val Thr Leu Lys Lys Gln Asn
1 5 10 15

Gly Met Gly Leu Ser Ile Val Ala Ala Lys Gly Ala Gly Gln Asp Lys
20 25 30

Leu Gly Ile Tyr Val Lys Ser Val Val Lys Gly Gly Ala Ala Asp Val
35 40 45

Asp Gly Arg Leu Ala Ala Gly Asp Gln Leu Leu Ser Val Asp Gly Arg
50 55 60

Ser Leu Val Gly Leu Ser Gln Glu Arg Ala Ala Glu Leu Met Thr Arg
65 70 75 80

Thr Ser Ser Val Val Thr Leu Glu Val Ala Lys Gln Gly
85 90

<210> 4

<211> 105

<212> PRT

<213> Artificial Sequence

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<400> 4

Leu Ile Arg Pro Ser Val Ile Ser Ile Ile Gly Leu Tyr Lys Glu Lys
1 5 10 15

Gly Lys Gly Leu Gly Phe Ser Ile Ala Gly Gly Arg Asp Cys Ile Arg
20 25 30

Gly Gln Met Gly Ile Phe Val Lys Thr Ile Phe Pro Asn Gly Ser Ala
35 40 45

Ala Glu Asp Gly Arg Leu Lys Glu Gly Asp Glu Ile Leu Asp Val Asn
50 55 60

Gly Ile Pro Ile Lys Gly Leu Thr Phe Gln Glu Ala Ile His Thr Phe
65 70 75 80

Lys Gln Ile Arg Ser Gly Leu Phe Val Leu Thr Val Arg Thr Lys Leu
85 90 95

Val Ser Pro Ser Leu Thr Asn Ser Ser
100 105

<210> 5
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<220>
<223> Synthetic peptide

<400> 5

Gln Ser Glu Asn Glu Glu Asp Val Cys Phe Ile Val Leu Asn Arg Lys
1 5 10 15

Glu Gly Ser Gly Leu Gly Phe Ser Val Ala Gly Gly Thr Asp Val Glu
20 25 30

Pro Lys Ser Ile Thr Val His Arg Val Phe Ser Gln Gly Ala Ala Ser
35 40 45

Gln Glu Gly Thr Met Asn Arg Gly Asp Phe Leu Leu Ser Val Asn Gly
50 55 60

Ala Ser Leu Ala Gly Leu Ala His Gly Asn Val Leu Lys Val Leu His
65 70 75 80

Gln Ala Gln Leu His Lys Asp Ala Leu Val Val Ile Lys Lys Gly Met
85 90 95

Asp Gln Pro Arg Pro Ser Asn Ser Ser
100 105

<210> 6
<211> 132
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 6

Gly Ile Ser Ser Leu Gly Arg Lys Thr Pro Gly Pro Lys Asp Arg Ile
1 5 10 15

Val Met Glu Val Thr Leu Asn Lys Glu Pro Arg Val Gly Leu Gly Ile
20 25 30

Gly Ala Cys Cys Leu Ala Leu Glu Asn Ser Pro Pro Gly Ile Tyr Ile
35 40 45

His Ser Leu Ala Pro Gly Ser Val Ala Lys Met Glu Ser Asn Leu Ser
50 55 60

Arg Gly Asp Gln Ile Leu Glu Val Asn Ser Val Asn Val Arg His Ala
65 70 75 80

Ala Leu Ser Lys Val His Ala Ile Leu Ser Lys Cys Pro Pro Gly Pro
85 90 95

Val Arg Leu Val Ile Gly Arg His Pro Asn Pro Lys Val Ser Glu Gln
100 105 110

Glu Met Asp Glu Val Ile Ala Arg Ser Thr Tyr Gln Glu Ser Lys Glu
115 120 125

Ala Asn Ser Ser
130

<210> 7

<211> 101

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<400> 7

Leu Gly Arg Ser Val Ala Val His Asp Ala Leu Cys Val Glu Val Leu
1 5 10 15

Lys Thr Ser Ala Gly Leu Gly Leu Ser Leu Asp Gly Gly Lys Ser Ser
20 25 30

Val Thr Gly Asp Gly Pro Leu Val Ile Lys Arg Val Tyr Lys Gly Gly
35 40 45

Ala Ala Glu Gln Ala Gly Ile Ile Glu Ala Gly Asp Glu Ile Leu Ala
50 55 60

Ile Asn Gly Lys Pro Leu Val Gly Leu Met His Phe Asp Ala Trp Asn
65 70 75 80

Ile Met Lys Ser Val Pro Glu Gly Pro Val Gln Leu Leu Ile Arg Lys
85 90 95

His Arg Asn Ser Ser
100

<210> 8
<211> 98
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 8

Arg Glu Glu Gly Gly Met Pro Gln Thr Val Ile Leu Pro Gly Pro Ala
1 5 10 15

Pro Trp Gly Phe Arg Leu Ser Gly Gly Ile Asp Phe Asn Gln Pro Leu
20 25 30

Val Ile Thr Arg Ile Thr Pro Gly Ser Lys Ala Ala Ala Ala Asn Leu
35 40 45

Cys Pro Gly Asp Val Ile Leu Ala Ile Asp Gly Phe Gly Thr Glu Ser
50 55 60

Met Thr His Ala Asp Ala Gln Asp Arg Ile Lys Ala Ala Ala His Gln
65 70 75 80

Leu Cys Leu Lys Ile Asp Arg Gly Glu Thr His Leu Trp Ser Pro Asn
85 90 95

Ser Ser

<210> 9
<211> 85
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 9

Ile Leu Val Glu Val Gln Leu Ser Gly Gly Ala Pro Trp Gly Phe Thr
1 5 10 15

Leu Lys Gly Gly Arg Glu His Gly Glu Pro Leu Val Ile Thr Lys Ile
20 25 30

Glu Glu Gly Ser Lys Ala Ala Ala Val Asp Lys Leu Leu Ala Gly Asp
35 40 45

Glu Ile Val Gly Ile Asn Asp Ile Gly Leu Ser Gly Phe Arg Gln Glu
50 55 60

Ala Ile Cys Leu Val Lys Gly Ser His Lys Thr Leu Lys Leu Val Val
65 70 75 80

Lys Arg Asn Ser Ser
85

<210> 10
<211> 106
<212> PRT
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<220>
<223> Synthetic peptide

<400> 10

Ser Val Gly His Val Arg Gly Pro Gly Pro Ser Val Gln His Thr Thr
1 5 10 15

Leu Asn Gly Asp Ser Leu Thr Ser Gln Leu Thr Leu Leu Gly Gly Asn
20 25 30

Ala Arg Gly Ser Phe Val His Ser Val Lys Pro Gly Ser Leu Ala Glu
35 40 45

Lys Ala Gly Leu Arg Glu Gly His Gln Leu Leu Leu Leu Glu Gly Cys
50 55 60

Ile Arg Gly Glu Arg Gln Ser Val Pro Leu Asp Thr Cys Thr Lys Glu
65 70 75 80

Glu Ala His Trp Thr Ile Gln Arg Cys Ser Gly Pro Val Thr Leu His
85 90 95

Tyr Lys Val Asn His Glu Gly Tyr Arg Lys
100 105

<210> 11
<211> 105
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 11

Arg Arg Pro Ala Arg Arg Ile Leu Ser Gln Val Thr Met Leu Ala Phe
1 5 10 15

Gln Gly Asp Ala Leu Leu Glu Gln Ile Ser Val Ile Gly Gly Asn Leu
20 25 30

Thr Gly Ile Phe Ile His Arg Val Thr Pro Gly Ser Ala Ala Asp Gln
35 40 45

Met Ala Leu Arg Pro Gly Thr Gln Ile Val Met Val Asp Tyr Glu Ala
50 55 60

Ser Glu Pro Leu Phe Lys Ala Val Leu Glu Asp Thr Thr Leu Glu Glu
65 70 75 80

Ala Val Gly Leu Leu Arg Arg Val Asp Gly Phe Cys Cys Leu Ser Val
85 90 95

Lys Val Asn Thr Asp Gly Tyr Lys Arg
100 105

<210> 12
<211> 100
<212> PRT

<213> Artificial Sequence

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<223> Synthetic peptide

<400> 12

Ile Leu Ser Gln Val Thr Met Leu Ala Phe Gln Gly Asp Ala Leu Leu
1 5 10 15

Glu Gln Ile Ser Val Ile Gly Gly Asn Leu Thr Gly Ile Phe Ile His
20 25 30

Arg Val Thr Pro Gly Ser Ala Ala Asp Gln Met Ala Leu Arg Pro Gly
35 40 45

Thr Gln Ile Val Met Val Asp Tyr Glu Ala Ser Glu Pro Leu Phe Lys
50 55 60

Ala Val Leu Glu Asp Thr Thr Leu Glu Glu Ala Val Gly Leu Leu Arg
65 70 75 80

Arg Val Asp Gly Phe Cys Cys Leu Ser Val Lys Val Asn Thr Asp Gly
85 90 95

Tyr Lys Arg Leu
100

<210> 13

<211> 90

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<400> 13

Thr Arg Val Arg Leu Val Gln Phe Gln Lys Asn Thr Asp Glu Pro Met
1 5 10 15

Gly Ile Thr Leu Lys Met Asn Glu Leu Asn His Cys Ile Val Ala Arg
20 25 30

Ile Met His Gly Gly Met Ile His Arg Gln Gly Thr Leu His Val Gly
35 40 45

Asp Glu Ile Arg Glu Ile Asn Gly Ile Ser Val Ala Asn Gln Thr Val
50 55 60

Glu Gln Leu Gln Lys Met Leu Arg Glu Met Arg Gly Ser Ile Thr Phe
65 70 75 80

Lys Ile Val Pro Ser Tyr Arg Thr Gln Ser
85 90

<210> 14
<211> 88
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 14

Leu Glu Gln Lys Ala Val Leu Glu Gln Val Gln Leu Asp Ser Pro Leu
1 5 10 15

Gly Leu Glu Ile His Thr Thr Ser Asn Cys Gln His Phe Val Ser Gln
20 25 30

Val Asp Thr Gln Val Pro Thr Asp Ser Arg Leu Gln Ile Gln Pro Gly
35 40 45

Asp Glu Val Val Gln Ile Asn Glu Gln Val Val Val Gly Trp Pro Arg
50 55 60

Lys Asn Met Val Arg Glu Leu Leu Arg Glu Pro Ala Gly Leu Ser Leu
65 70 75 80

Val Leu Lys Lys Ile Pro Ile Pro
85

<210> 15
<211> 92
<212> PRT
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<220>
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<400> 15

Gln Arg Lys Leu Val Thr Val Glu Lys Gln Asp Asn Glu Thr Phe Gly

1	5	10	15
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Phe	Glu	Ile	Gln	Ser	Tyr	Arg	Pro	Gln	Asn	Gln	Asn	Ala	Cys	Ser	Ser
			20					25					30		

Glu	Met	Phe	Thr	Leu	Ile	Cys	Lys	Ile	Gln	Glu	Asp	Ser	Pro	Ala	His
		35					40					45			

Cys	Ala	Gly	Leu	Gln	Ala	Gly	Asp	Val	Leu	Ala	Asn	Ile	Asn	Gly	Val
	50					55					60				

Ser	Thr	Glu	Gly	Phe	Thr	Tyr	Lys	Gln	Val	Val	Asp	Leu	Ile	Arg	Ser
65					70					75				80	

Ser	Gly	Asn	Leu	Leu	Thr	Ile	Glu	Thr	Leu	Asn	Gly
			85						90		

<210> 16

<211> 109

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<400> 16

Arg	Cys	Leu	Ile	Gln	Thr	Lys	Gly	Gln	Arg	Ser	Met	Asp	Gly	Tyr	Pro
1			5					10						15	

Glu	Gln	Phe	Cys	Val	Arg	Ile	Glu	Lys	Asn	Pro	Gly	Leu	Gly	Phe	Ser
			20					25					30		

Ile	Ser	Gly	Gly	Ile	Ser	Gly	Gln	Gly	Asn	Pro	Phe	Lys	Pro	Ser	Asp
		35					40					45			

Lys	Gly	Ile	Phe	Val	Thr	Arg	Val	Gln	Pro	Asp	Gly	Pro	Ala	Ser	Asn
	50					55				60					

Leu	Leu	Gln	Pro	Gly	Asp	Lys	Ile	Leu	Gln	Ala	Asn	Gly	His	Ser	Phe
65				70					75					80	

Val	His	Met	Glu	His	Glu	Lys	Ala	Val	Leu	Leu	Leu	Lys	Ser	Phe	Gln
			85					90						95	

Asn Thr Val Asp Leu Val Ile Gln Arg Glu Leu Thr Val
100 105

<210> 17
<211> 97
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 17

Pro Thr Ser Pro Glu Ile Gln Glu Leu Arg Gln Met Leu Gln Ala Pro
1 5 10 15

His Phe Lys Gly Ala Thr Ile Lys Arg His Glu Met Thr Gly Asp Ile
20 25 30

Leu Val Ala Arg Ile Ile His Gly Gly Leu Ala Glu Arg Ser Gly Leu
35 40 45

Leu Tyr Ala Gly Asp Lys Leu Val Glu Val Asn Gly Val Ser Val Glu
50 55 60

Gly Leu Asp Pro Glu Gln Val Ile His Ile Leu Ala Met Ser Arg Gly
65 70 75 80

Thr Ile Met Phe Lys Val Val Pro Val Ser Asp Pro Pro Val Asn Ser
85 90 95

Ser

<210> 18
<211> 141
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 18

Pro Thr Ser Pro Glu Ile Gln Glu Leu Arg Gln Met Leu Gln Ala Pro
1 5 10 15

His Phe Lys Ala Leu Leu Ser Ala His Asp Thr Ile Ala Gln Lys Asp

20

25

30

Phe Glu Pro Leu Leu Pro Pro Leu Pro Asp Asn Ile Pro Glu Ser Glu
35 40 45

Glu Ala Met Arg Ile Val Cys Leu Val Lys Asn Gln Gln Pro Leu Gly
50 55 60

Ala Thr Ile Lys Arg His Glu Met Thr Gly Asp Ile Leu Val Ala Arg
65 70 75 80

Ile Ile His Gly Gly Leu Ala Glu Arg Ser Gly Leu Leu Tyr Ala Gly
85 90 95

Asp Lys Leu Val Glu Val Asn Gly Val Ser Val Glu Gly Leu Asp Pro
100 105 110

Glu Gln Val Ile His Ile Leu Ala Met Ser Arg Gly Thr Ile Met Phe
115 120 125

Lys Val Val Pro Val Ser Asp Pro Pro Val Asn Ser Ser
130 135 140

<210> 19

<211> 101

<212> PRT

<213> Artificial Sequence

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<400> 19

Ile Gln Val Asn Gly Thr Asp Ala Asp Tyr Glu Tyr Glu Glu Ile Thr
1 5 10 15

Leu Glu Arg Gly Asn Ser Gly Leu Gly Phe Ser Ile Ala Gly Gly Thr
20 25 30

Asp Asn Pro His Ile Gly Asp Asp Ser Ser Ile Phe Ile Thr Lys Ile
35 40 45

Ile Thr Gly Gly Ala Ala Ala Gln Asp Gly Arg Leu Arg Val Asn Asp
50 55 60

Cys Ile Leu Gln Val Asn Glu Val Asp Val Arg Asp Val Thr His Ser
65 70 75 80

Lys Ala Val Glu Ala Leu Lys Glu Ala Gly Ser Ile Val Arg Leu Tyr
85 90 95

Val Lys Arg Arg Asn
100

<210> 20

<211> 95

<212> PRT

<213> Artificial Sequence

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<400> 20

Ile Gln Leu Ile Lys Gly Pro Lys Gly Leu Gly Phe Ser Ile Ala Gly
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